

19980308.qrp v01_n023.qrs.980308

Date: Sun, 8 Mar 1998 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1023

QRP-L Digest 1023

Topics covered in this issue include:

- 1) [5474] Re: Using Topo Maps for selecting QRP sites
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 2) [5475] Trade 38s/ built for Norcal paddle?
by "Steve Galchutt" <n0tu@webaccess.net>
- 3) [5476] Re: NorCal to have Major Announcement at Dayton
by "Lawrence M. Koga" <crshi@aloha.net>
- 4) [5477] NY Times article?
by Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
- 5) [5478] KnightLites & Pixie/49er test THANKS !!
by Jim <kj5tf@mctc.com>
- 6) [5479] W3EDP antenna--an analysis
by Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
- 7) [5480]
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 8) [5481] mH inductance measuring circuit
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 9) [5482] re: NorCal Announcement
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 10) [5483] Why go QRO?
by John Pendrey <flyfish@ptialaska.net>
- 11) [5484] Re: NorCal Announcement
by Vic Rosenthal <rakefet@rakefet.com>
- 12) [5485] Re: NorCal Announcement
by "Michael L. Ardai" <n1list@netcom.com>
- 13) [5486] random wire...
by "Curtis D. Levin" <cdlevin@dialisdn.com>
- 14) [5487] Re: NorCal Announcement
by Joseph Everhart <n2cx@voicenet.com>
- 15) [5488] FOX LOG 03/04/98 PRELIM
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 16) [5489] Re: FOX LOG 03/04/98 PRELIM
by Roger Hightower <n7kt@earthlink.net>
- 17) [5490] Re: Using Topo Maps for selecting QRP sites
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 18) [5491] CQC Meeting-- Film at 11!
by "Marshall Emm" <mgemm@mtechnologies.com>
- 19) [5492] Notes on W7EL Wattmeter

- by "Glen Torr" <glentorr@ozemail.com.au>
- 20) [5493] Test driving the Norcal Paddle
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 21) [5494] re: NorCal Announcement
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 22) [5495] Re: NorCal Announcement
by LYN WILLIAMS <designserv@ipass.net>
- 23) [5496] measuring picoFs and uHs... ?
by Conrad <radman@best.com>
- 24) [5497] SMiTe modifications
by Christopher Mayer <crmayer@mindspring.com>
- 25) [5498] RE: mH Inductance Measurment Corrections
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 26) [5499] Sunday storm
by kq0i@juno.com (Mark R Milburn)
- 27) [5500] FS
by Jim Pulliam <pulljim@mindspring.com>
- 28) [5501] Re: [Re: MFJ tuner]
by justindd@usa.net
- 29) [5502] Re: Sunday storm
by kq0i@juno.com (Mark R Milburn)
- 30) [5503] Re: Sunday storm
by LYN WILLIAMS <designserv@ipass.net>
- 31) [5504] RE: SMite mod's
by N10DL <N10DL@aol.com>
- 32) [5505] Re: Sunday storm
by Monte Stark <ku7y@sage.dri.edu>
- 33) [5506] Re: Getting Kids On CW
by mjsilva@ix.netcom.com
- 34) [5507] Re: [Re: MFJ tuner]
by "George T. Baker" <w5yr@swbell.net>
- 35) [5508] FS: Rare ICOM IC-731S QRP HF xcvr
by N3BJ <N3BJ@aol.com>
- 36) [5509] Sub MPS-A13 for 14?
by Allen Jones <ajones@adsnet.com>
- 37) [5510] Re: Fox ????
by Shephed <Shephed@aol.com>
- 38) [5511] weekend contest
by Bruce Rattray <rattray@gpfn.sk.ca>
- 39) [5512] Re: Fox ????
by Monte Stark <ku7y@sage.dri.edu>
- 40) [5513] W3EDP Questions?, W3EDP Answers! (Maybe)
by ji3m@maxwell.com (James R. Duffey)
- 41) [5514] Latest forum info
by K4NK <K4NK@aol.com>
- 42) [5515] Re: Sunday storm
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
- 43) [5516] Re: measuring picoFs and uHs... ?

by Monte Stark <ku7y@dri.edu>
44) [5517] NORCAL KEY MOD
by marion@montana.com
45) [5518] FS: TAC-1 ARK20 price lowered
by "Kelly Ellison" <kelman@dialnet.net>
46) [5519] Long wire
by ji3m@maxwell.com (James R. Duffey)
47) [5520] Re: NorCal Announcement
by mwattcpa@earthlink.net (Marty Watt)
48) [5521] New Extra
by Ward Hill <w_hill@ns.net>
49) [5522] Good QRP kit?
by eric <epaolin@mail5.clio.it>
50) [5523] Knitesmite low output power?
by PGSPersEng <PGSPersEng@aol.com>
51) [5524] NE-QRP meeting--get your miniature gear photographed!
by Zack Lau <zlau@arrl.org>
52) [5525] morse speed
by "Curtis D. Levin" <cdlevin@dialisdn.com>
53) [5526] Re: Fox ????
by adams@chuck.dallas.sgi.com (Chuck Adams)
54) [5527] Re: Heath hw-16 coils
by Jerry Parker <jparker@fix.net>
55) [5528] YAESUE 901 DM MOD NEEDED
by RangerSF5 <RangerSF5@aol.com>
56) [5529] Re: Getting Kids On CW
by Bruce Muscolino <w6toy@pop.erols.com>
57) [5530] A surprise at NE QRP Meet Sat Mar 15
by PDouglas12 <PDouglas12@aol.com>
58) [5531] Re: Sunday storm
by "Ray Lowe" <wd5dhk@hotmail.com>
59) [5532] Re: A surprise at NE QRP Meet Sat Mar 15
by "Curtis D. Levin" <cdlevin@dialisdn.com>
60) [5533] Re: Sunday storm
by ea8yu Goran <rodriguez@jet.es>
61) [5534] FDIM Seminar
by n9qil@juno.com (Kenneth R. Wezeman)
62) [5535] Still time to get on ARRL phone contest
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
63) [5536] Re: TechAmerica 20Mhz Protek Scope
by penzo@juno.com (Michael A Penzo)
64) [5537] Re: New Extra
by Lynn Simons <lsimons1@ix.netcom.com>

Date: Sat, 07 Mar 1998 19:09:44 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>

To: tahrens@inetport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5474] Re: Using Topo Maps for selecting QRP sites
Message-ID: <3501E1C8.5437@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim

You need to decide if you want vector or raster maps. I always get the 2 confused. One is a .bmp of the topo while the other lets you do operations on the map.

Try the MapInfo or ARC Info (ESRI) web sites. They probably have info on the web site. lacking that, you may want to call up their customer support lines.

GIS is Greek to me.

Henry
Henry

Date: Sat, 7 Mar 1998 17:50:19 -0700
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [5475] Trade 38s/ built for Norcal paddle?
Message-ID: <00f001bd4a2c\$33b29540\$48a8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok ...it keeps nagging me to finish it...so it's out of here! I have a 38s that I almost completed. RX and TX workedBUT I started down the long "dethumping" mod trail and never finished it and now I've lost interest or maybe there's just too many unbuilt kits that ahead of me. Sooo... anyone want to trade a 'wide' norcal paddle or straight key or (?) for it?
72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
email: n0tu@webaccess.net

Date: Sat, 07 Mar 1998 14:45:15 -1000
From: "Lawrence M. Koga" <crshi@aloha.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5476] Re: NorCal to have Major Announcement at Dayton
Message-ID: <3501EA1A.1D92@aloha.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

>
> Paul Harden wrote:
> >
> > On Fri, 6 Mar 1998, Nils R Young wrote:
> > > the NorCal kit to be announced and showed off at Dayton will be
> > >
> > > a transwarp conduit proactive hypercontextualized quadraphasic
> > > postmodernist intervention therapy intertextual organizational database
> > > permutative tetrahedral ex post facto recursive autoindexing
> > > communicative interface negotiating link feed device.
> > ^^^^
> > Actually, I heard it will be AUTO linking
> >
> > 72, Paul NA5N
>
> Wow, I have been trying to figure it out..... and they you said that!
> Shoot, now EVERYONE is going to know..... It's so simple.
>

To Everyone, This is HOGWASH, everyone knows that SGC has this model and is releasing it soon, maybe in six weeks. Just after the SGC2020 is finalized.

Lawrence, NH6NJ

Date: Sat, 07 Mar 1998 17:03:21 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
To: qrp-1@Lehigh.EDU
Subject: [5477] NY Times article?
Message-ID: <21671.889319001@safety.ics.uci.edu>

I have been busy and not reading the list. Just had a prospective new ham appear in my house (female, too!) After we got home from the C-section and a 4 day stint in the ICU for our new baby, I come home and get notice from my landlord that "they found an illegal wire coming from the window" of my apartment (wow, it has been there for 6 years!) SO, may be mostly mobile soon..... but that's just the fun part.

I wonder if anyone could easily give me the cite to the NY Times article about ham radio. I need it in my reply to the landlord if it gives any sort of overview.

Thanks

Clark
WA3JPG

Date: Sat, 07 Mar 1998 19:43:02 +0000
From: Jim <kj5tf@mctc.com>
To: qrp-1@Lehigh.EDU
Subject: [5478] KnightLites & Pixie/49er test THANKS !!
Message-ID: <3501A346.2141@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm grateful to the KnightLites QRP club and all who joined in the 2nd annual 49er/Pixie contest.

I was fortunate to take first prize in the 1st 49er contest in 1996. And now I'm informed that I have won 1st prize again for the 1997 contest, with my 49er rig.

This little QRP club found the "hook" to get me running hard in there contest. Offer real prizes!

Last year I won a GM-15 XCVR kit, and this year its a TICK keyer.

Im planning on putting the TICK in an Altoids tin and using it for all my QRP kit rigs. Maybe put a paddle on it like the one in QST recently.

So again thanks for the contest, thanks to all the helpful folks here on

QRP-L for the 49er mods. And thanks to those QRP club stations I worked in the contest! That's where I really racked up the points!

My \$25. NORCAL 49er is fully tricked out, and housed in a Altoids tin, with 1.26 watts @ 12v, under the hood.

Hey, NORCAL and KnightLites - What's next? That was FUN!
72/3'z de Jim AR QRP #2

Date: Sat, 07 Mar 1998 18:41:31 -0800 (PST)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: CLOFGREN@BENSON.MCKENNA.EDU
Subject: [5479] W3EDP antenna--an analysis
Message-ID: <Pine.PMDF.3.95.980307183723.52247A-1000000@BENSON.MCKENNA.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

There's been a lot of recent interest on qrp-l in the W3EDP antenna. This is an antenna with a 84 foot wire on one side of the output port and a 17 foot wire on the other side. The 17 foot side is sometimes called a "counterpoise." Here's my "take" on the antenna's operation, along with a suggestion or two:

To begin, the "counterpoise" isn't a real counterpoise, or at least it doesn't function like the usual counterpoise (except on 20 meters). The normal function of a counterpoise is to establish a point of minimum rf voltage or "ground" potential. A quarter-wave length of wire does this when the far end is open. (That's assuming it isn't detuned by nearby objects or by the ground itself.) Except on 20 meters, where it is approximately a quarter-wave long, the "counterpoise" part of the W3EDP antenna doesn't fit the bill here. The best approach is to forget about the short wire as a counterpoise.

To understand the W3EDP, instead conceive of the short side as one side of a feedline that's been separated or pulled apart from the other side of the feedline.

Now in your mind move the short side so that it's parallel to the first 17 feet of the long side and anywhere from several inches to a foot or so away. What you have is a section of feedline.

This gives you a standard *end-fed zepp* (in other words, a true zepp antenna, as in zeppelin flying), with a fundamental frequency of about 7 MHz. The flattop portion is 67 feet long, and the feedline is 17 feet long. The impedance of the feedline, which is not critical, is somewhere in the vicinity of 500-800 ohms, depending on wire diameter and spacing.

An end-fed zepp will work on its fundamental frequency and on odd and even harmonic frequencies (that is, where the flattop is an odd or even multiple of a half wave). With our W3EDP-derived end-fed zepp, the antenna will work satisfactorily on 40, 20, 15, and 10 meters.

The principle of operation is this: At the feedline end of the half wave flattop (or multiple half wave flattop), the impedance is *very* high. The impedance at the antenna end of the *open* side of the feedline is also *very* high. (Were it not for capacitive coupling to space and various objects, the impedance at the antenna end of the open side of the feedline would be infinitely high, but in reality the current never quite falls to zero.) If the length of the flattop is properly adjusted, then the currents on the two sides of the feedline are *roughly* in balance, but out of phase, so not much radiation occurs from the feedline.

(If you're familiar with a j-pole antenna, it's the same principle of operation. And with both the end-fed zepp and the j-pole, there's controversy over whether they work quite as they're alleged to. But that's another story, getting into fine points of feedline balance and what happens at the antenna end of the open side of the feedline. Also, the resonance of the flattop on harmonic frequencies isn't exactly an odd or even multiple of the fundamental frequency, owing to differing impacts of nearby objects and of end effects. But that, too, can be put aside in understanding why the W3EDP works.)

Now, if you start pulling the feedline apart, you start to get more radiation from the two sides of it. If you move the short side out of the vicinity of the long side, you don't have a feedline effect at all and you have a W3EDP antenna. But--and this is crucial to the W3EDP design--the currents at the transmitter/tuner ends of the two wires are still roughly equal and roughly out of phase. This means that you can connect them to a link-coupled tuner without serious imbalance. And this remains true on harmonic frequencies.

This also explains why, if you try to operate a "standard" W3EDP on 30 meters, you may find significant hand-capacitance effects

as you try to adjust the tuner.

If you follow through the foregoing analysis, you will see that there is nothing absolute about the 84 foot and 17 foot dimensions. In general, what you need is a short side of x feet, and a long side of $(x + y)$ feet, where y is a half wave at the lowest frequency. For example, you could set the two sides at 22 and 89 feet, for fundamental operation on 40 meters, and harmonic operation on 20, 15, and 10 meters. This would likely not be a good length for 15 meters, however, because the impedance at the tuner would be quite high. (Think of the input impedance of a half-wave length of feedline that's terminated in a high impedance.) Indeed, the "standard" W3EDP is likely to have a high feedpoint impedance on 10 meters, just as in the case of an end-fed zepp fed with a half wave feedline. For 10 meters, the 22 and 89 foot dimensions would probably be better in terms of keeping the impedance at the tuner within a satisfactory range.

An idea for including 30 meters in the W3EDP design is to have a second short side to switch to. With the standard 84 foot length for the long side, a short side of 38 feet should give reasonable balance on 30 meters (the rough conceptual equivalent of a 46 foot flattop and a 38 foot feeder).

There is one *important* point to keep in mind. Unless the short side is run fairly close to and parallel to lower portion of the long side, there will be significant radiation from the short side. This means that it is best *not* to have it on or close to the ground (in the fashion of the usual counterpoise). If it's close to ground, it will be radiating into a rather lossy environment. In fact (without having modeled the different configurations for comparisons, or having done actual comparative tests), I'd say there is at least a theoretical advantage in running the short side in true "feedline" fashion, within several inches or a foot of the lower portion of the long side and roughly parallel to it. (Or get the wires close to this configuration.) The result will be more of the total radiation occurring at a greater height and thus lower near-field ground losses.

I've used a W3EDP with one of my z-matches, with no difficulty on the indicated bands. I'd imagine the W3EDP design should pose no problem with Roy Gregson's ZM-1 or ZM-2, either, although the two output links in my design give a little more flexibility. A standard link-coupled tuner (which L.B. carefully describes on his Web site) should be fine, too. A single-ended tuner--L network, T network, etc.--requires a balun (and that may present its own problems.)

Charlie, w6jjz
clofgren@benson.mckenna.edu

Date: Sat, 07 Mar 1998 21:02:18 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Message-ID: <3.0.3.32.19980307210218.006d4194@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

i added to my web pages a schematic and pc board pattern for a circuit that i'm using to measure inductances in the mH range. in building the R2 receiver, i needed to match inductors to within 1%, and i didn't have an L meter. i found an LC oscillator circuit that goes down to audio freqs, and modified it just a bit.

it is a pretty simple circuit, using 3 NPN transistors, a voltage regulator, and a couple of other discrete passive components. i built it on a pc board but it should be able to be done just fine with just about any construction method you can think of. the trick is that it needs an external frequency counter that can measure in the AF range. if you want precision, the counter should be able to go down to the 0.1 Hz resolution. build it so the L's connect by micro test-clip leads (radio shack).

oh yeah, be sure to avoid the mistake i made: if you want better accuracy, measure the values of the 1 uF caps before soldering them in.

simple instructions for use are on the web-pages. the circuit has worked like a charm for me, reproducibility on multiple readings of the same inductors is about 0.1 mH in 100 mH (0.1%), though I don't know the absolute accuracy yet.

http://genome33.ped-gen.uiowa.edu/hamradio/LC_OscillatorSchematic.html

let me know if you can think of any improvements for it, i'd like to know.

73,

--adam

=====
Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu QRP ARCI : NorCal : QRP-L: G-QRP : CQC
 Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Sat, 07 Mar 1998 21:03:57 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [5481] mH inductance measuring circuit
Message-ID: <3.0.3.32.19980307210357.006e4dc4@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi again,

oops, didn't put subject on previous post. go back one message if you're interested.

--adam

=====
Adam B. Kanis
adam-kanis@uiowa.edu
=====

Date: Sun, 08 Mar 1998 03:00:36 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [5482] re: NorCal Announcement
Message-ID: <3.0.16.19980308023351.2ef705e2@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

and Nils says -

> a transwarp conduit proactive hypercontextualized quadraphasic
> postmodernist intervention therapy intertextual organizational database
> permutative tetrahedral ex post facto recursive autoindexing
> communicative interface negotiating link feed device.

I hope it's not a kit.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sat, 7 Mar 1998 18:32:27 -0900
From: John Pendrey <flyfish@ptialaska.net>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [5483] Why go QRO?
Message-ID: <01BD49F7.81255860@dialups-47.kodiak.ptialaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi group,
I've only had my ticket since Jan 97.
Since then I have been delving into this hobby? with as much enthusiasm =
as my schedule and xyl ;>> allow. I am exclusively on the MFJ rigs, 40M =
cw and 20M SSB.

This morning I got quite a surprise listening to the contest going on..I =
heard IN3ZNR calling with no takers..decided to give him a try, he gave =
me a 55. I was running my 9420 at 5w through a tuner and random wire =
with the counterpoise running down my staircase. Now I wonder..If I can =
make this 5200 mile trip with this modest setup...would QRO be as much =
fun?

NOT! must be qrp

wanted to gloat just a little.

I've been receiving lots of surprised reports during the contest, =
including one "I would've sworn you were HIGH power!" Pays to listen to =
this list...thanks for the motivation

72

John, AL7RB, (two days ago I was KL0DB)
Kodiak, Alaska 'flyfish@ptialaska.net'

Date: Sat, 07 Mar 1998 19:40:25 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: ka8okh@som-uky.campus.mci.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5484] Re: NorCal Announcement
Message-ID: <35021329.8A6EACF5@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich Dailey, KA80KH wrote:

>
> and Nils says -
>
> > a transwarp conduit proactive hypercontextualized quadraphasic
> >postmodernist intervention therapy intertextual organizational database
> >permutative tetrahedral ex post facto recursive autoindexing
> >communicative interface negotiating link feed device.
>
> I hope it's not a kit.

At least, not one with an instruction manual written by Nils!

Vic K2VCO

Date: Sat, 7 Mar 1998 19:48:48 -0800 (PST)
From: "Michael L. Ardai" <n1list@netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [5485] Re: NorCal Announcement
Message-ID: <199803080348.TAA05672@netcom5.netcom.com>

> > a transwarp conduit proactive hypercontextualized quadraphasic
> >postmodernist intervention therapy intertextual organizational database
> >permutative tetrahedral ex post facto recursive autoindexing
> >communicative interface negotiating link feed device.

Are we limited to 22 transtators or can I use a dilithium crystal?

/mike

Date: Sat, 7 Mar 1998 22:59:55 -0500 (EST)
From: "Curtis D. Levin" <cdlevin@dialisdn.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [5486] random wire...
Message-ID: <Pine.LNX.3.95.980307225251.19459B-100000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Stupid question from a newbie to qrp. I am going to be building kit radios, and I need to ask a really stupid question. How long should a random wire be? Stop laughing.

The reason I'm asking is that I have this big pine tree, probably up about 90 feet in the air, and I have this really long backyard, also about 90 feet. I was thinking, what if I just used a random wire antenna up 90 feet, and out 90 feet. But, I think about resonance, and I say, well, nahh, maybe 60 feet, and then I think, but it's a random wire...

Anyway, another stupid question. Do most antenna tuners have a lug for a random wire ? I saw a nice tuner at dans parts for about 22 bux, kit of course, and I was thinking that maybe that might work. How exactly does one get a random wire onto a rig, and does one use a coax jumper ?

Anyways, sorry for all the stupid questions. Drinking a couple of cervezas and wondering why on earth I bought a vertical, when these guys all say that random wires seem to work best. Or, at least, they say that they work. And it sounds so much simpler than messing with a vertical. All comments are welcome, except ones about beer. 73

```
-----  
| Curtis D. Levin  KD4ZKW      | cdlevin@dialisdn.com |  
| kd4zkw.ampr.org[44.98.2.22]| kd4zkw@amsat.org   |  
| Member HTML Writers Guild | QRP-L : #1488      |  
| Webpage http://dialisdn.net/user/cdlevin/ |  
|-----|
```

Date: Sat, 7 Mar 1998 23:09:20 -0500
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: rakefet@rakefet.com
Subject: [5487] Re: NorCal Announcement
Message-ID: <199803080409.XAA101142@nss4.cc.Lehigh.EDU>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:40 PM 3/7/98 -0800, you wrote:

>Rich Dailey, KA8OKH wrote:

>>

>> and Nils says -

>>

>> > a transwarp conduit proactive hypercontextualized quadraphasic

>> >postmodernist intervention therapy intertextual organizational database

>> >permutative tetrahedral ex post facto recursive autoindexing

>> >communicative interface negotiating link feed device.

>>

>> I hope it's not a kit.

>

>At least, not one with an instruction manual written by Nils!

>

>Vic K2VCO

>

Actually writing the manual is one of the Elmer 101 student activities!

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com

work: jeverhar@camden.lmco.com

Date: Sun, 8 Mar 1998 04:39:42 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [5488] FOX LOG 03/04/98 PRELIM
Message-ID: <19980308043940.AAA24916@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings patient friends. I gave up trying to print directly from LOG-EQF so transcribed it -and written notes. (I am NO typist)
I must say it was an adrenal occasion what with being so badly out of shape in the face of the avalanche! It was also extremely gratifying to note the class and skills evident among this group. Unique indeed.

Regarding the antenna, it was a "compacted" 2-el vert. yagi built from plans on the W6RCA web site. It worked just as expected, which is to say VERY broad forward lobe and nice low t/o angle, so, I'd strongly recommend it to anyone who has 40' ft supports more than 50' apart, and who wants to work DX. The feed scheme, (coax w/choke at one lower corner) is a real blessing.

TIME	CALL	SENT	RECD	ST	NAME	#/PWR
////	////////	////	////	//	////////	////
0300	K10J	559	559	TX	OWEN	732
0302	AA9L	559	559	WI	RICHARD	(ILLEGIBLE)
0303	WA9PWP	559	569	WI	PAUL	127
0306	K50N	559	559	NM	GARY	770
0308	W0CH	549	559	MO	DAVE	618
0309	K1MG	549	449	CA	MIKE	614
0310	KA5T	549	449	TX	LARRY	89
0311	K5ZTY	559	559	TX	BILL	473
0313	K0EVZ	559	569	MN	DOC	861
0314	KU7Y	449	559	NV	MONTE	17
0315	K5JHP	549	339	TX	BILL	825
0317	AA0ZZ	549	559	MN	CRAIG	1238
0319	NQ7Z	449	559	AZ	FLOYD	343
0320	N5JI	449	449	TX	DICK	1054
0324	W5SB	449	449	TX	BILL	1297
0325	AB7TT	449	449	AZ	JOE	(ILLEGIB.)
0327	W0RW	559	579	CO	PAUL	2W
0328	AB5UA	449	559	OK	CLIF	478
0330	K5UP	339	559	OK	GLEN	21
0332	W5HNS	449	549	TX	HENRY	178
0333	N4AN	339	539	NC	JOE	3W
0336	N0TU	549	559	CO	STEVE	911
0340	WE6W	539	529	CA	ED	1068
0344	VE5RC	559	559	SK	BRUCE	886
0348	N7IR	539	559	AZ	GARY	1330
0351	N1TP	559	559	FL	TOM	1317
0352	WB0T	539	339	IA	JERRY	1268
0356	W5FN	559	559	TX	TIM	586
0357	WB0ATR	539	559	MN	SCOTT	1455
0358	K5VUU	559	559	TX	ED	1343
0400	W6SU	549	559	CA	JOHN	48
0406	AB9IUA	549	449	IL	KEVIN	384
0407	N6WG	549	339	CA	BOB	26
0411	AB7TK	559	339	ID	RANDY	102
1412	N7GS	549	549	MT	MAL	215
0414	K2VCO	339	229	CA	VIC	725

0418	AC5JH	549	449	LA	TOM	1319
0420	K0SU	339	229	CA	NICK	539
0422	K5FO	339	559	TX	CHUCK	1
0425	AA5TA	339	339	TX	LARRY	1245
0430	W6ZH	339	549	CA	PETE	257
0433	K06KA	229	229	AZ	ROB	176
0436	K4BES	229	559	CA	DAN	(?)
0441	KI7MN	339	229	AZ	BOB	271
0448	AC6LA	229	559	CA	DAN	515
0451	N7CQR	339	339	OR	DAN	502
0457	WB0T	559	559	IA	JERRY	0.5W

Thank you all... see you Wed. nite. (UTC)
72 =S=

Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.org/org/cara/>

Date: Sat, 07 Mar 1998 22:25:17 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: SSLYON@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5489] Re: FOX LOG 03/04/98 PRELIM
Message-ID: <3501C94C.E8EB37C3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You say Wed night (UTC). Has there been a change in your schedule? The posted schedule says Tuesday UTC, Monday night local.

Still hoping to reach that far wid my sign, but it would help to know the right day, :-)

--
72/73, de Roger, N7KT

Date: Sun, 8 Mar 1998 01:05:34 -0500

From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [5490] Re: Using Topo Maps for selecting QRP sites
Message-ID: <199803080605.BAA14304@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Tim and gang,

I was speaking to my YL Mary about using topography maps in and around the NYC area for portable QRPing, too.

Does anyone know if the Army Corp of Eng's. would have that info?

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 7 Mar 1998 23:41:29 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU, cqc@mtechnologies.com
Subject: [5491] CQC Meeting-- Film at 11!
Message-ID: <199803080640.XAA06000@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The March meeting of the Colorado QRP Club was a success despite the wx (aka snow storm). Turnout was down a bit but still pretty good.

Pictures: <http://www.mtechnologies.com/cqc/gallery>

Also updated: Al's (K0FRP) ZM-2 is finished-- pictures in the gallery.

Also updated: a better pic of Nick's (KG5N) sierra.

Norcal, Emtech, and Embedded Research kit projects were displayed at show and tell and images are in the gallery.

An excellent program, both entertaining and informative, was presented by Larry Agabekov (WJ1R/UA6HZ), CQC's newest member (#515) and former President of the Russian Amateur Radio Union. Larry told some very interesting stories about ham radio in the "bad old days"

of the Soviet Union. He described his interlaced 6 element Yagis for 20M and 15M on one of three towers at his home QTH in Yesentuki, where he has a 700 square foot radio shack featuring a Yaesu FT1000D. And he was also very enthusiastic about his surprisingly effective participation in the ARRL DX contest and the CQC Winter QSO Party, both running 5 watts to a 30' chunk of wire running around the inside of his apartment here in Denver.

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

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(303)752-3382

--

Date: Sun, 8 Mar 1998 18:11:11 +1100
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "<Low Power Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [5492] Notes on W7EL Wattmeter
Message-ID: <199803080710.SAA05793@oznet11.ozemail.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi All,

I have been asked to post the outcome of my enquiry about cores for the above. I will summarise briefly to save BW but please email me if you want more detail.

- 1) Everyone who has used FT-37-77 is pleased with the results.
- 2) Fair Rite have said FT-37-77 is the correct replacement for FT-37-72.
- 3) A couple of people have used FT-37-75 with good results. (inc. one kit).
- 4) One person has used FT-23-77 (smaller diameter).

Other related suggestions:-

- 5) National Semiconductor LMC 6062 should work better and draw less current than specified op amps.
- 6) LED power on indicator is helpfull in saving batteries.
- 7) Another option is to use the bridge circuit by " Stockton" as on P173 of "W1FB's Design Notebook" with the W7EL amplifier.
- 8) Use sticky backed copper on the uncoated side of a PCB to ease construction.

I am extremely grateful for these suggestions. I have not acknowledged the suggestions on the list as I feel this would be improper without permission however I have thanked all who contributed and if you wanted to get in touch with any "suggestor" I could forward a message for you.

72 Glen VK1FB

Date: Sun, 8 Mar 1998 00:20:35 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [5493] Test driving the Norcal Paddle
Message-ID: <19980308082039.AAA116@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Had my first two QSO's tonight on 40M CW with the new Norcal Paddle....with K6IY and K6SRZ. I was a little clumsy -- the wide spacing is significantly different from the old Bencher I've been using since about 1980. But I was able to get to almost error-less CW after a few minutes of practice.

The Bencher is a spring-type paddle so the tension is slightly different from the magnet design used in the K8FF/Norcal model. Can hardly wait til I get to Dayton to show it off --- the chrome and brass looks terrific.

Thanks K8FF, Doug and Jim. What a GREAT PROJECT!

73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA

<http://home.att.net/~alan.kaul/qrp.html>

alan.kaul@worldnet.att.net

w6rcl@amsat.org

Date: Sun, 8 Mar 1998 07:06:40 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5494] re: NorCal Announcement
Message-ID: <Pine.GS0.3.96.980308070118.27831C-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 8 Mar 1998, Rich Dailey, KA8OKH wrote:

> and Nils says -
> > a transwarp conduit proactive hypercontextualized quadraphasic
> >postmodernist intervention therapy intertextual organizational database
> >permutative tetrahedral ex post facto recursive autoindexing
> >communicative interface negotiating link feed device.
> I hope it's not a kit.
> ...Rich

No, but the words will be made available by Nils in kit form with grammatical schematics for alternative connections, each with test specifications on hearer effect (not to mention speaker affect).

For Extra Exam preparation, send the phrase 3 times fast with a hand key. Numbers, punctuation, and prosigns optional extras--remit to Nils when ordering.

Grammatical solder available at your local RS store.

-73-

LB, W4RNL

Date: Sun, 08 Mar 1998 07:18:04 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: n1list@netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5495] Re: NorCal Announcement
Message-ID: <3502B6AC.BA0F7C1C@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael L. Ardai wrote:

> > > a transwarp conduit proactive hypercontextualized quadraphasic
> > >postmodernist intervention therapy intertextual organizational database
> > >permutative tetrahedral ex post facto recursive autoindexing
> > >communicative interface negotiating link feed device.
>
> Are we limited to 22 transtators or can I use a dilithium crystal?
>
> /mike

If the dilithium crystal does work, is it available for 3686.4 (KLN) and would the transwarp let me rubber it to 3540?

Date: Sun, 8 Mar 1998 04:59:16 -0800
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [5496] measuring picoFs and uHs... ?
Message-ID: <01BD4A4E.F5854BA0@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Folks,

I need to measure some **very** small values of capacitors and inductors.

Anyone have a clever (read: "low-cost") method of measuring pFs and uHs? Perhaps a schematic made from junk-box components using a standard DMM, freq counter or scope for a display?

Thanks in advance for creative ideas,

72 -- Conrad - nn6cw.

Date: Sun, 08 Mar 1998 07:10:02 -0600
From: Christopher Mayer <crmayer@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [5497] SMiTe modifications
Message-ID: <3.0.1.32.19980308071002.0068bc4c@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Recently, Bob Kellogg asked if anyone was modifying the SMiTe to work on other bands. Putting it on 40 meters, for instance, should be easy. The problem is the availability of SM components. I wouldn't want to corrupt the wonderful little rig by not using SM capacitors. Where can we get small quantities of SM components?

Christopher R. Mayer, AHC
Valasek-Mayer Associates,
The Keyes Group, Inc.
Post Office Box 360808
Birmingham, AL 35236

<http://www.valmay.com>
phone: 205-988-4326
fax: 205-733-0386
<http://www.valmay.com>

Date: Sun, 08 Mar 1998 07:48:36 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Subject: [5498] RE: mH Inductance Measurment Corrections
Message-ID: <3.0.3.32.19980308074836.006c55fc@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

it was pointed out to me that i had 2 capacitors mislabeled in the equations of the circuit to measure mH size inductors. obviously the capacitors of the voltage regulator circuit are not part of the frequency determining portion of the circuit. it is corrected now.

also, the NPN's are general purpose NPN's - 2n2222's 2n3904's or 2n4401's or equivalents.

http://genome33.ped-gen.uiowa.edu/hamradio/LC_OscillatorSchematic.html

--adam

=====
Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu QRP ARCI : NorCal : QRP-L: G-QRP : CQC
 Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Sun, 08 Mar 1998 10:22:04 EST

From: kq0i@juno.com (Mark R Milburn)
To: qrp-1@Lehigh.EDU
Subject: [5499] Sunday storm
Message-ID: <19980308.092005.6695.0.KQ0I@juno.com>

Tell you what, folks ... it's snowing here! I hope my antennas can take it, it's just short of a foot of snow and it's really wet, heavy gunk. The TV weather guy says some areas will see about 16 inches before it's over, and I just heard on the two meter repeater that the city has taken the plows off the streets until it stops, so we're at a standstill. Guess it's a good thing it's a weekend when most people can stay home. One of the guys on 75 meter phone says the drifts are between five and six feet at his place in the country.....he'll be a while digging out of this one.

Have a good weekend, and stay safe.

72 mark

Mark Milburn, KQ0I@W0AK.#CIA.IA.USA.NA E-mail KQ0I@juno.com
ARRL;QRP-L #625;NORCAL #1829;ARS #139;NW QRP #418;QRP ARCI #9226

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 05 Feb 1998 09:59:04
From: Jim Pulliam <pulljim@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [5500] FS
Message-ID: <3.0.1.16.19980205095904.2d0fadd8@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale; MFJ-492 Keyer, \$65.00. I ship. Mint Condition, with manual. I just built the TiCK-2, and I don't need it any longer.

Date: Sun, 08 Mar 1998 15:42:06
From: justindd@usa.net
To: kennfd@ibm.net
Cc: qrp-1@Lehigh.EDU
Subject: [5501] Re: [Re: MFJ tuner]
Message-ID: <19980308154206.4812.qmail@www06.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The problem is with the tuner, it has a built in or an external Dummy load can be used, but even then the meter will not calibrate to be the way it should be on the scale. As far as the transmitter goes, there is actually a setscrew in the back just above the SO-239 that is labeled as transmitter.

kennfd@ibm.net wrote:

> Justin:
>
> You may want to contact MFJ directly. They provide manuals for no cost.
>
> <http://www.mfjenterprises.com/>
>
> It is possible that the meter movement is damaged. I am not familiar with
> that particular tuner.
>
> Have you tried using a dummy load and running directly through the tuner
> (bypass)?
>
> The suggested way (from MFJ) on using the tuner is to set both the Antenna
> and Transmitter dials to mid scale. Rotate the inductance until the
> received noise is at it's loudest. Key the transmitter and adjust the
> transmitter and antenna knobs for lowest reflected reading.
>
>
> What kind of antenna are you trying to tune?]
>
>
> Ken K1XS@ibm.net

Get free e-mail and a permanent address at <http://www.netaddress.com>

Date: Sun, 08 Mar 1998 11:07:40 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-1@Lehigh.EDU

Subject: [5502] Re: Sunday storm
Message-ID: <19980308.100555.4727.4.KQ0I@juno.com>

On Sun, 8 Mar 1998 07:32:27 -0800 "ALAN KAUL"
<alan.kaul@worldnet.att.net> writes:
>Mark... your post told us it was snowing ''here'' but other than an
>Iowa
>packet address, you never told us where ''here'' was.
>Just curious, pls and tnx, 73/72 de alan
>Alan Kaul, W6RCL, LaCanada-Flintridge, CA

Hi, Alan"here" is Des Moines, just a little south of the center of
Iowa and right at the intersection of I-80 and I-35.
72/73 Mark

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 08 Mar 1998 11:27:54 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: Mark R Milburn <kq0i@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5503] Re: Sunday storm
Message-ID: <3502F13A.5442A45@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, Since we're talking weather, I thought that I'd report that
"down here" (just S. of Raleigh, NC) we're having what is
known locally as "a frog strangler".

For those who didn't know that amphibians such as frogs can
breathe through their skins under water, I'll add that it takes
a powerful lot of rain to strangle frogs.

Lyn, W4WDN

Date: Sun, 8 Mar 1998 11:50:17 EST
From: N10DL <N10DL@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5504] RE: SMite mod's
Message-ID: <c2056931.3502cc4c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have found a company here in Manchester, NH who has some smite parts. the name is Electronic Seervice Supply on Commercial St. I bet if you give them a call they will be happy to send you what they have. I will try to get a list of what theyn have and put it on the server.

Aron Brown
N10DL
QRP-L#1326
FISTS#4110

Date: Sun, 8 Mar 1998 08:49:02 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Mark R Milburn <kq0i@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5505] Re: Sunday storm
Message-ID: <Pine.SUN.3.90.980308084836.17725C@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well,

Sounds bad. Now if only I knew what town it was..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 8 Mar 1998 11:00:01 -0600 (CST)
From: mjsilva@ix.netcom.com
To: qrp-l@Lehigh.EDU

Subject: [5506] Re: Getting Kids On CW
Message-ID: <19983885940141@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Based on my own experience of learning the code I'd say it's very important that the young learner be wired up somehow to actually "talk" to somebody else. In high school I built a code oscillator and audio amplifier that I could lay a phone headset on, and practiced with a friend across town via the phone. For somebody in the same house simply wiring long extension speakers on two code practice oscillators would work. Another idea I've had is to put a pair of peewee stations on the air at the top of the AM band. The receivers could be as simple as normal AM receivers with outboard heterodyne oscillators, and the transmitters could be similar oscillators. I know such a "jr" station would have thrilled me as a kid. In fact, it sounds kinda neat even now...

73,
Mike, KK6GM

Date: Sun, 08 Mar 1998 11:06:20 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: justindd@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5507] Re: [Re: MFJ tuner]
Message-ID: <3502D00C.2A9575FD@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have found with my MFJ 989-C that this procedure works well:

1. First time, do the receiver-noise bit to get the inductance in the ballpark.
2. Set the output capacitor to max. This is marked ANTENNA on the 989 and the setting is 10.

3. Alternately adjust the input capacitor (TRANSMITTER on the 989) and the inductance for minimum SWR. The final adjustment should always be to set the inductance for as near zero SWR as you can get. Use the lowest transmitter power that will give you a reliable indication on the meters - I find that 10 watts or so is adequate.

4. If that does not yield what you want, reduce the ANTENNA capacitance a little and repeat Steps 2 and 3 until you are satisfied.

You want the most capacitance on the output that you can work with in order to increase tuner efficiency and reduce the stress on components.

--

73, George
Amateur Radio W5YR
QRP-L #1373
QRP ARCI #9583
AutoPOWER Systems
Fairview, TX

justindd@usa.net wrote:

>

> The problem is with the tuner, it has a built in or an external Dummy load can be used, but even then the meter will not calibrate to be the way it should be on the scale. As far as the transmitter goes, there is actually a setscrew in the back just above the S0-239 that is labeled as transmitter.

> kennfd@ibm.net wrote:

> > Justin:

> >

> > You may want to contact MFJ directly. They provide manuals for no cost.

> >

> > <http://www.mfjenterprises.com/>

> >

> > It is possible that the meter movement is damaged. I am not familiar with that particular tuner.

> >

> > Have you tried using a dummy load and running directly through the tuner (bypass)?

> >

> > The suggested way (from MFJ) on using the tuner is to set both the Antenna and Transmitter dials to mid scale. Rotate the inductance until the received noise is at it's loudest. Key the transmitter and adjust the transmitter and antenna knobs for lowest reflected reading.

> >

> >

> > What kind of antenna are you trying to tune?]

> >

> >
> > Ken K1XS@ibm.net
>
>
> -----
> Get free e-mail and a permanent address at <http://www.netaddress.com>

Date: Sun, 8 Mar 1998 12:06:58 EST
From: N3BJ <N3BJ@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [5508] FS: Rare ICOM IC-731S QRP HF xcvr
Message-ID: <2ece5046.3502d034@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For Sale: ICOM IC731S, baby brother to the IC-735, identical except no final PA and fan. In very good condition with scanning microphone, internal keyer.

This is a classic QRP version of the longest running HF radio (because they did it right) ever produced. Rare and a great performer, besides being a collectors item.

Just don't use it much, too many radios here.

\$650 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 08 Mar 1998 11:25:37 -0800
From: Allen Jones <ajones@adsnet.com>
To: qrp-1@Lehigh.EDU
Subject: [5509] Sub MPS-A13 for 14?
Message-ID: <3.0.5.32.19980308112537.007977d0@mail.adsnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Ten-Tec 1254 synthesized rcvr kit I'm about to start is missing the MPS-A14 NPN darlington transistor. No big deal, I know I can get one from them with a phone call. What I am wondering is can I use an MPS-A13 in it's place? According to the manual the A14 is used as the PLL active loop filter. The A14 has an hFE of 10,000 while the A13 is 5,000. Would I be

safe in using the A13 or should I wait for a replacement?

Thanks

Allen Jones, W9DZ

Date: Sun, 8 Mar 1998 12:48:47 EST
From: Shephed <Shephed@aol.com>
To: 70511.3041@compuserve.com, qrp-1@Lehigh.EDU
Subject: [5510] Re: Fox ????
Message-ID: <84eea391.3502da01@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all,
I will be doing a run as a Fox tonight. Sorry for the delay in posting this,
I've been running around in circles here the past few days.

I will be around 7.041 +/- . at 0100Z to 0300Z (8-10 pm EST). Rig here is a
Yaesu FT-101 @ 5 watts into a Hygain Vert.

This is my first run as a A/G fox so I'll not be a speed demon, please be
kind. :-)

Dan, N8VZU
QRP-L #1404

Date: Sun, 8 Mar 1998 11:56:40 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [5511] weekend contest
Message-ID: <Pine.SOL.3.91.980308114707.7096A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well seeing as my leg cast cuts down on my mobility and I'm only able to
get into the ham shack (heh,heh,heh...it's working) I thought I'd putz
around in the contest on qrp ssb...what a lot of fun!...I've worked
Alaska, Argentina, Japan, Mexico, Costa Rica, Hawaii, Puerto Rico, Aruba,

Virgin Islands, Antigua, Bermuda, Netherlands, Denmark, Scotland, Ecuador, France, Italy, Wales, Madeira Island, England, Spain, Croatia, Slovenia, Germany, Austria, Canary Islands, Brazil, Northern Ireland...just a whole lot of fun!...I ran the Kenwood TS-430S, 5 watts, to an old HyGain 2 element tribander at 50 feet and a delta loop on 40 mtrs. Imagine what a ball we'll all have when 10 mtrs opens as well...I did manage to hear a few signals on 10 and worked an LU station there...72 - Bruce(VE5RC+VE5QRP) - ps - I used the VE5QRP call.

Date: Sun, 8 Mar 1998 10:05:01 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Shephed <Shephed@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5512] Re: Fox ????
Message-ID: <Pine.SUN.3.90.980308100311.17805C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dan,

Sorry to say that I'll miss this hunt. Carol and I will be doing what is called a "Stepping out Package" tonight at that time..... That's a nice steak dinner and a show. This one is Roy Clark!

Dinner is at 5pm local, or 0100z!

Good luck,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 8 Mar 1998 11:09:01 -0700
From: ji3m@maxwell.com (James R. Duffey)
To: Richard Sherman <srichard@aldus.northnet.org>
Cc: qrp-1@Lehigh.EDU
Subject: [5513] W3EDP Questions?, W3EDP Answers! (Maybe)
Message-ID: <v02130507b12887130c3e@[192.31.66.158]>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Rick - I have a few thoughts on your W3EDP;

"I get a good match on 80, 30, 15 and 10. I'm unable to get a match under= 3:1 on any other band. On 80, the match is very critical, and is 1:1 only a= round 3.75MHz. It is 2:1 at 3.56. The tuner is an old MFJ 945C which I modified to a PI network per WOWUZ's 9/96 article in 73 Magazine. According to James Duffy's recent post however, this tuner may not be the best choice for this antenna however."

I always cringe when I see my name used in print by some one who is having= problems. It makes me feel responsible for helping them out. It seems like= it is a lot easier to get other people into trouble than it is to get them= out. None the less, here goes;

This type of behavior on 80 M is probably normal, that is the reactance of= the antenna is probably changing pretty rapidly with frequency. You may= not be able to get enough effective parallel capacitance out of the tuner= at the low end. =20

I don't know the specific parameters of your tuner, but the pi configuration= usually matches less of a range than a T or L would. Also, the pi network= is usually more suited for low impedance loads, and the W3EDP presents a= rather high impedance load on most bands. This may be part of your problem.

If you are brave, and it sounds like you are, I would suggest disconnecting= the capacitor on the input side of the coil to convert your tuner to an L= and try again. Or you may try homebrewing an L network. A 20 microhenry= coil and a 100 to 200 pf variable capacitor should do the trick. The coil= can be wound to Handbook dimensions from 8 gauge copper you can buy at the= local Home Depot, Builders Square or local hardware store. The capacitor= can be usually be found at flea markets; the type used in old ARC-5= transmitters can usually be found for a few bucks. Probably some old timers= in your area would have a few of these tucked away and would be glad to= part with them if asked. You may wish also to look at handbooks for other= methods of feeding long wires. I think that W3EDP originally used a= parallel LC circuit tapped at the appropriate spot(s). You may wish to try= that as well.=20

You may wish to vary the length a bit to see if this helps. With your tuner,= you will probably get a get a better match as you go towards a multiple of= quarter wavelength, but you will also need a better ground then. At least= two quarter wavelength radials.

"I have both a 17' and a 6.5' counterpoise attached. Should these be=

attached to the ground terminal or the same terminal as the antenna? It= didn't seem to make to much difference in either instance."=20

You may wish to disconnect one of the counterpoise wires or the other to see= if this has an effect. You are right-it shouldn't matter if you attach to= the antenna terminal or the ground.=20

In short-I don't think your tuner has the range to match the load presented= by the W3EDP. Changing the length to change the load or using a new tuner= should help. Let us know how it turns out. - Duffey KK6MC/5 =20

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 8 Mar 1998 13:09:28 EST
From: K4NK <K4NK@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5514] Latest forum info
Message-ID: <5c025460.3502deda@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello Southeast QRPers;

The work on the Qrp forum to be held at the Upstate Hamfest (South Carolina) is going smoothly. I have a new flyer and it has some additional info. If you have recieved a flyer prior to 3-7-98 and are interested in attending let me know and I will send a 2nd flyer.

I now have 5 door prizes, 3 from Embedded Reasearch and 2 from local groups. I will be having a luncheon after the hamfest. I still need a count of who will be interested in attending the lunch. I have recieved word from Don Shipman chief QRPite of the Grand Strand QRP Society he would be interested and could speak on his Kite operations. I will send weekly bullitens like this to keep eupdated.

Knightlites if you could have a few SMITE kits for sale at the forum that would be great.

72 Les K4NK

Greenville, S.C.

Date: Sun, 08 Mar 1998 11:10:23 -0700
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [5515] Re: Sunday storm
Message-ID: <3.0.3.32.19980308111023.0068f718@dante.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For all of you QRPers to the N, E and W of here who think you have all of the fun...

Saturday we had one heck of a windstorm (50 +mph). Lot of Arizona blowing in but we also had SNOW. Just flurries but snow nevertheless. And that's in south central NM, near the junction of I10 and I25 about 45 miles north of Juarez, Mexico.

Tim K50I

OBQRP - it was just a little snow!

p.s. Hope you all are coping with the nasty weather out there.

Date: Sun, 08 Mar 1998 10:17:28 -0800
From: Monte Stark <ku7y@dri.edu>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5516] Re: measuring picoFs and uHs... ?
Message-ID: <3502E0B8.A06DDC56@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Conrad,

How about if you made a little osc and then put the items to be measured in parallel with what's already there and measure the freq. change. They do the math to see how much pF or uH??

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Sun, 8 Mar 1998 12:15:18 -0700 (MST)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [5517] NORCAL KEY MOD
Message-ID: <199803081915.MAA07423@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I got and assembled the narrow version of the norcal key. It works great and I think I am sending better with it after a little practice. Not wanting to abandon the wide spaced model, I set about trying to modify it. I carefully deepened the notch with a fine hacksaw then filed smooth. The tab is just over a millimeter thick after smoothing. Then shortened the screws. Spacing now less than a millimeter wider than new kit. Remembering how I used the heat gun to gently melt the final finish on the paddles, I slowly warmed the tabs and gently tightened the screws until they were countersunk even. This last step was not necessary but these look better than the new kit. The modified set is still my desk key. Will use new kit as a to the field key. Worked for me, your results may vary.
72,Roy AB7CE

Date: Sun, 8 Mar 1998 12:28:24 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [5518] FS: TAC-1 ARK20 price lowered
Message-ID: <199803081826.MAA13189@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi All,
These rigs are S&S Engineering

I have a TAC-1(80) Built , in brand new condition, with box and manual - no keyer... \$165.00
Also have an ARK20, with keyer and filter will sell for \$200.00

For Sale: Timewave DSP-9 Good condition works good on CW and has nice notch filter - \$60.00

Would trade for Analog Argosy or other QRP related equipment. Would like help with shipping.

Thank you,

Kelly Ellison
WB0WQS
QRP-L #702

Date: Sun, 8 Mar 1998 11:40:19 -0700
From: ji3m@maxwell.com (James R. Duffey)
To: cdlevin@dialisdn.com
Cc: qrp-l@Lehigh.EDU
Subject: [5519] Long wire
Message-ID: <v02130508b1289444263e@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Curtis - Good question;

"How long should a random wire be? Stop laughing."=20

The reason I'm asking is that I have this big pine tree, probably up about 90 feet in the air, and I have this really long backyard, also about 90 feet. I was thinking, what if I just used a random wire antenna up 90 feet, and out 90 feet. But, I think about resonance, and I say, well, nahh, maybe 60 feet, and then I think, but it's a random wire..."

If you want to use a long wire in your backyard. I would suggest that about= 135 feet should be good. This will fit more than fit diagonally in the= space you describe, 90 out and 90 up (127 feet according to my ancient= trigonometry), and is nearly a multiple of half wavelength on most bands= from 80 on up, and is a quarter wavelentgth on 160 M. You will get some= high angle radiation on the higher bands, but it should be a good= performer.=20

"Anyway, another stupid question. Do most antenna tuners have a lug for a random wire ? I saw a nice tuner at dans parts for about 22 bux, kit of course, and I was thinking that maybe that might work. How exactly does one get a random wire onto a rig, and does one use a coax jumper ? "

You will need to use a tuner. Some have a separate lug for random wires and some don't. If it doesn't you can use a banana plug which fits nicely into the center socket of an SO-239. You should probably connect quarter wave wires to the tuner to insure a good RF ground on all frequencies.=20

With a 90 Ft tall tree I think I would try to find a way to put up an inverted VEE though. 8^). - Duffey KK6MC/5

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX) =
Maxwell Technologies Inc/Albuquerque Division=20
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Sun, 08 Mar 1998 18:44:19 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [5520] Re: NorCal Announcement
Message-ID: <35021d21.8290170@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sat, 7 Mar 1998 19:48:48 -0800 (PST), "Michael L. Ardai" =
<n1list@netcom.com>
wrote:

>> > a transwarp conduit proactive hypercontextualized =
quadraphasic
>> >postmodernist intervention therapy intertextual organizational =
database
>> >permutative tetrahedral ex post facto recursive autoindexing
>> >communicative interface negotiating link feed device.
>
>Are we limited to 22 transtators or can I use a dilithium crystal?

Except if you do, we'll replace the dilithium crystals you normally use =
with
=460LGERS CRYSTALS!!

--

72 es 73 de Marty, KM7W

=46ranklin, Tennessee <http://home.earthlink.net/~mwattcpa> =
=20
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

Date: Sun, 8 Mar 1998 11:54:59 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-l@Lehigh.EDU
Subject: [5521] New Extra
Message-ID: <103130305b128a6ff4b21@[207.159.15.40]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Today I passed the Extra because of the encouragement of many here on the list. I especially want to thank the NORCAL club for designing and producing the 40A which has rekindled my love for CW and brought back HAM Radio back into my life.

Thanks again,

72/73,

Ward WA6FUH/AE

WA6FUH/AE
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Sun, 8 Mar 1998 21:07:39 +0100
From: eric <epaolin@mail5.clio.it>
To: qrp-l@Lehigh.EDU
Subject: [5522] Good QRP kit?
Message-ID: <1322731237-12307180@mail5.clio.it>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am looking for a QRP kit with equal or better performance than the

'38Special', and similar price range, i.e. less than \$50.

eric
epaolin@mail5.clio.it

Date: Sun, 8 Mar 1998 16:04:35 EST
From: PGSPersEng <PGSPersEng@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [5523] Knitesmite low output power?
Message-ID: <53b93a00.350307e6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, couldn't wait to try my hand at surface-mount devices, so last night I put together KniteSmite #196. SMDs weren't nearly so bad as I had expected. Just put on my wife's granny magnifyer glasses and it went together pretty smoothly.

Today I wired up all the off-board parts and attached a dummy load. Using my brand-new 85RF probe from Radar Inc (thanks, again, for the tip!), I measured the voltage across the terminals as 2.82V, leading to power output of 160 mW. Now, the unit is supposed to generate 250-300 mW. Is this much difference to be expected? Can transistor variances be so wide? Or is there something else I can look for?

Thanks,
Paul, AA1MI

Date: Sun, 08 Mar 1998 16:17:06 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [5524] NE-QRP meeting--get your miniature gear photographed!
Message-ID: <35030AD2.CD4@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As an incentive to get people to bring stuff to the NE QRP meeting March 15th @ ARRL HQ, I'll be playing photographer with a copystand, a decent lighting setup,

Nikon FE2, and a 60mm macro lens. Bring a s.a.s.e.
One free 4 x 6 inch picture per person bringing homebrew
gear--Zack W1VT

BTW--any volunteers to scan the photos for WWW pages?

Date: Sun, 8 Mar 1998 16:11:08 -0500 (EST)
From: "Curtis D. Levin" <cdlevin@dialisdn.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [5525] morse speed
Message-ID: <Pine.LNX.3.95.980308160929.20090C-1000000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a morse trainer for linux. I'm using it with the
sound card. I can set the character speed for 18 wpm,
but how much spacing is used for the 13 wpm exam ?

I know I could set it to 13, but it seems to drag, and
doesn't sound right.

Curtis D. Levin KD4ZKW	cdlevin@dialisdn.com
kd4zkw.ampr.org[44.98.2.22]	kd4zkw@amsat.org
Member HTML Writers Guild	QRP-L : #1488
Webpage <http://dialisdn.net/user/cdlevin/>	
~~~~~

-----  
Date: Sun, 8 Mar 1998 21:31:00 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: Roger Hightower <n7kt@earthlink.net>  
Cc: qrp-l@Lehigh.EDU  
Subject: [5526] Re: Fox ????  
Message-ID: <199803082131.VAA02114@chuck.dallas.sgi.com>

Roger Hightower, N7KT, asked the question and I will answer it.

No contacts for Sunday night will count towards the regular  
(General and above fox list) foxhunt. They will only count for

the Novice/Tech+ list.

Sorry, but rules is rules.

dit dit

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: Sun, 08 Mar 1998 14:20:37 -0800  
From: Jerry Parker <jparker@fix.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5527] Re: Heath hw-16 coils  
Message-ID: <2.2.32.19980308222037.006df8a4@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Curtis is looking for some Heath coils for his HW-16

anyone have an idea of a source or help for him.

Please contact him directly at: [cdlevin@dialisdn.com](mailto:cdlevin@dialisdn.com)

Thanks,,,72,,,Jerry...WA6OWR...K

>Date: Sun, 8 Mar 1998 16:56:55 -0500 (EST)  
>From: "Curtis D. Levin" <[cdlevin@dialisdn.com](mailto:cdlevin@dialisdn.com)>  
>To: Jerry Parker <[jparker@fix.net](mailto:jparker@fix.net)>  
>Subject: Re: Heath hw-16 coils  
>  
>On Sun, 8 Mar 1998, Jerry Parker wrote:  
>  
>> If you are writing to dans please let me know.  
>>  
>> Thanks,,,72,,,Jerry...WA6OWR...K  
>  
>Yep. I need, or want to replace the coils. They're old,  
>and they are intermittent. One of the coils I have  
>to replace is L4, and the others are intermittent.  
>I don't want to have to take the heath apart every time  
>I turn it on, so I figure that I should go ahead and

>change them all. OK, 73 de Curtis.  
>>  
>> At 10:28 PM 3/7/98 -0800, you wrote:  
>> >  
>> >looking for references tothese particular coils, and  
>> >will order them if you have them in stock.  
>> >  
>> > Here are the part numbers:  
>> >  
>> >L1 15 meter RF coil Heath Part No. 40-363  
>> >L2 40 meter RF coil Heath Part No. 40-796  
>> >L3 80 meter RF coil Heath Part No. 40-795  
>> >L4 15 meter RF heterodyne coil Heath Part No. 40-360  
>> >L5 40 meter RF heterodyne coil Heath Part No. 40-797  
>> >L6 80 meter RF heterodyne coil Heath Part No. 40-797  
>> >  
>> >  
>> >  
>> >  
>> >  
>> >  
>> >  
>>  
>>  
>>  
>>  
>  
>  
> -----  
>| Curtis D. Levin KD4ZKW | cdlevin@dialisdn.com |  
>| kd4zkw.ampr.org[44.98.2.22]| kd4zkw@amsat.org |  
>| Member HTML Writers Guild | QRP-L : #1488 |  
>| Webpage http://dialisdn.net/user/cdlevin/ |  
> ~~~~~  
>  
>  
>

-----  
Date: Sun, 8 Mar 1998 17:07:49 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [5528] YAESUE 901 DM MOD NEEDED

Message-ID: <64cd0b25.350316b7@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

A local ham who is very active in the MARS program is unable to work the evening net because his rig will not tune up high enough.  
The band in question is 20 meters  
Does anyone know if this rig can be modified to TX above the ham band on 20 M?  
If so, Please "E" mail me  
Thank you  
Bob  
WA2HOQ

-----  
Date: Sun, 8 Mar 1998 17:09:46 -0500 (EST)  
From: Bruce Muscolino <w6toy@pop.erols.com>  
To: QRP-L@Lehigh.EDU  
Cc: mjsilva@ix.netcom.com  
Subject: [5529] Re: Getting Kids On CW  
Message-ID: <2.2.16.19980308180143.2b8f6f08@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ya know, thinking back some 45 years (a feat in itself) I remember why I learned the code. I wanted to be one of those guys with the big wall-to-wall AM phone signals I used to hear on 40 phone! If I had not had that incentive I would never have bothered -- I'd have stuck with model airplanes, or model trains, or maybe, girls! I think you have to show kids the basic magic behind being able to talk to someone else in a language very few people can understand! Once you get that far, it's a pretty small step to the magic of decoding what these other guys are saying. That, of course, implies using a eral radio to listen to the code and copying off the air. what a concept!

73

-----  
Date: Sun, 8 Mar 1998 17:10:32 EST  
From: PDouglas12 <PDouglas12@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [5530] A surprise at NE QRP Meet Sat Mar 15  
Message-ID: <8edcb1b.3503175b@aol.com>

Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hi Gang,

I hope to have a big surprise to add to the festivities at the NE QRP meeting on Sunday March 15 at 9:30 AM in ARRL HQ in Newington Connecticut. I can't tell you what it is, because it is a surprise, and if I told you, it wouldn't be a surprise anymore. See you all there.

72,

Preston Douglas WJ2V

-----  
Date: Sun, 08 Mar 1998 14:13:22 PST  
From: "Ray Lowe" <wd5dhk@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [5531] Re: Sunday storm  
Message-ID: <19980308221322.15991.qmail@hotmail.com>  
Content-Type: text/plain

It even has been snowing near Dallas today. Are you sure this is March?  
72/73

Ray Lowe  
WD5DHK  
Lancaster, Tx (near Dallas)  
<http://members.wbs.net/homepages/w/d/5/wd5dhk.html>

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Sun, 8 Mar 1998 17:13:40 -0500 (EST)  
From: "Curtis D. Levin" <cdlevin@dialisdn.com>  
To: PDouglas12 <PDouglas12@aol.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5532] Re: A surprise at NE QRP Meet Sat Mar 15  
Message-ID: <Pine.LNX.3.95.980308171310.20090G-100000@danial.dialisdn.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 8 Mar 1998, PDouglas12 wrote:

> Hi Gang,  
> I hope to have a big surprise to add to the festivities at the NE QRP meeting  
> on Sunday March 15 at 9:30 AM in ARRL HQ in Newington Connecticut. I can't  
> tell you what it is, because it is a surprise, and if I told you, it wouldn't  
> be a surprise anymore. See you all there.

Hope it's not lottery tickets. heh.

```
-----  
| Curtis D. Levin  KD4ZKW      | cdlevin@dialisdn.com |  
| kd4zkw.ampr.org[44.98.2.22]| kd4zkw@amsat.org   |  
| Member HTML Writers Guild | QRP-L : #1488      |  
| Webpage http://dialisdn.net/user/cdlevin/ |  
-----
```

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Date: Sun, 08 Mar 1998 21:55:34 +0000  
From: ea8yu Goran <rodriguez@jet.es>  
To: kq0i@juno.com, qrp-l@Lehigh.EDU  
Subject: [5533] Re: Sunday storm  
Message-ID: <3.0.5.32.19980308215534.007b5170@jet.es>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Well, Mark,  
Down here we are drying out. Air humidity has been below 10% for days now and today I saw the hygrometer showing 2%. Not bad for an island in the middle of the ocean. (La Palma island, Canary Islands)

Saludos  
Goran      ea8yu

At 10:22 08/03/98 EST, you wrote:  
>Tell you what, folks ... it's snowing here! I hope my antennas can take

-----  
Date: Sun, 8 Mar 1998 17:30:20 -0500  
From: n9qil@juno.com (Kenneth R. Wezeman)  
To: qrp-l@Lehigh.EDU  
Subject: [5534] FDIM Seminar  
Message-ID: <19980308.173020.4606.0.N9QIL@juno.com>

Is the Thursday seminar held at the Days Inn South?  
I want to be sure I go to the right place. You just can't be too early  
with these questions.

Thanks,  
Ken Wezeman - N9QIL

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Date: Sun, 8 Mar 1998 14:51:22 -0800  
From: "ALAN KAUL" <[alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)>  
To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [5535] Still time to get on ARRL phone contest  
Message-ID: <19980308225125.AAA26146@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

As I write this there's still time to get on the air for the ARRL SSB  
contest. In the last hour, running QRP on 10 Meters, I've worked 17  
contacts in six different countries in Central and South America....  
including relatively hard-to-find HR6.  
I've worked one 5W station. The exchange is signal report + your state or  
province. Work DX only who gives you your signal report + his power. Work  
'em and log 'em now, and if you have trouble figuring out how to score,  
e-mail me and I'll be glad to help.  
10M is open ... give it a try!  
73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
<http://home.att.net/~alan.kaul/qrp.html>  
[alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)  
[w6rcl@amsat.org](mailto:w6rcl@amsat.org)

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Date: Sun, 08 Mar 1998 18:07:23 EST  
From: [penzo@juno.com](mailto:penzo@juno.com) (Michael A Penzo)  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)

Subject: [5536] Re: TechAmerica 20Mhz Protek Scope  
Message-ID: <19980308.175934.4831.2.penzo@juno.com>

Paul,

Thanks for the response to Mark and all of us in reference to the 20Mhz scope. I have been looking for a good scope for many years but never really knew exactly what to look for. I was hoping that someone would respond to the list with some good guidance.

By the way, I just received your autographed book, "Data Book for Homebrewers and QRPers". It's a great source of specs on many devices without having to accumulate a stack of data books.

73,

Mike, KT4FJ

Stafford, VA.

Mark (and others),

If it were up to us, we'd get a DC-1GHz full sampling digital oscilloscope that will save the display on disk in .TIF format or make a hardcopy on your printer. We have a couple of those at work and they ARE the cat's meow.

BUT IN THE REAL WORLD (those QRPers without a \$30K scope budget), a dual-trace 20MHz scope for <\$300 is a very good buy, in my opinion. I haven't seen this scope, own stock in the company, etc. ... but any decent 20MHz scope will find years on use in most any QRPers shack.

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Date: Sun, 08 Mar 1998 17:32:17 -0600  
From: Lynn Simons <lsimons1@ix.netcom.com>  
To: w\_hill@ns.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5537] Re: New Extra  
Message-ID: <35032A81.A92E01A4@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii



Content-Transfer-Encoding: 7bit

Hi Ward,

Just wanted to say congratulations on the great upgrade. It is always nice to welcome another ham on up the ladder. And you have reached the zenith now! Congrats again and hope to hear you now down in the extra band regions. One of the things I noticed about being able to get on the lower 25 kHz segments is that my DX count started rising rapidly. Good luck and good going!

73/72,

Lynn, KJ3V  
Birmingham, AL

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End of QRP-L Digest 1023

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